

Please type a plus sign (+) inside this box → ☐

PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number	09/620,544
Filing Date	07/21/2000
First Named Inventor	Petro Estakhri
Group Art Unit	2188
Examiner Name	Reginald G. Bragdon
Attorney Docket Number	38979-11C5(New Docket No.)

U.S. PATENT DOCUMENTS

		U.S. Patent Document			Date of Publication of	Pages, Columns, Lines,
RGB	A1	2003/0033471	A1	Lin et al.	02/13/2003	
	A2	6,411,546	B1	Estakhri et al.	06/05/2002	
	A3	6,397,314	B1	Estakhri et al.	05/28/2002	
	A4	6,393,513	B2	Estakhri et al.	05/21/2002	
	A5	6,374,337	B1	Estakhri	04/16/2002	
	A6	6,279,114	B1	Toombs et al.	08/21/2001	
	A7	6,279,069	B1	Robinson et al.	08/21/2001	
	A8	6,272,610	B1	Katayama et al.	08/07/2001	
	A9	6,262,918	B1	Estakhri et al.	07/17/2001	
	A10	6,230,234	B1	Estakhri et al.	05/08/2001	
	A11	6,226,708	B1	McGoldrick et al.	05/01/2001	
	A12	6,223,308	B1	Estakhri et al.	04/24/2001	
	A13	6,202,138	B1	Estakhri et al.	03/13/2000	
	A14	6,182,162	B1	Estakhri et al.	01/30/2001	
	A15	6,181,118	B1	Meehan et al.	01/30/2001	
	A16	6,173,362	B1	Yoda	01/09/2001	
	A17	6,151,247		Estakhri et al.	11/21/2000	
	A18	6,145,051		Estakhri et al.	11/07/2000	
	A19	6,141,249		Estakhri et al.	10/31/2000	
	A20	6,134,151		Estakhri et al.	10/17/2000	
	A21	6,134,145		Wong	10/17/2000	
	A22	6,128,695		Estakhri et al.	10/03/2000	
	A23	6,125,435		Estakhri et al.	09/26/2000	
	A24	6,125,424		Komatsu et al.	09/26/2000	
	A25	6,122,195		Estakhri et al.	09/19/2000	
	A26	6,115,785		Estakhri et al.	09/05/2000	
	A27	6,097,666		Sakui et al.	08/01/2000	
	A28	6,081,878		Estakhri et al.	06/27/2000	
	A29	6,081,447		Lofgren et al.	06/27/2000	
	A30	6,072,796		Christensen et al.	06/06/2000	
	A31	6,055,188		Takeuchi et al.	04/25/2000	
	A32	6,055,184		Acharya et al.	04/25/2000	
	A33	6,047,352		Lakhani et al.	04/04/2000	
	A34	6,040,997		Estakhri	03/21/2000	
	A35	6,035,357		Sakaki	03/07/2000	
	A36	6,034,897		Estakhri et al.	03/07/2000	
	A37	6,026,027		Terrell, II et al.	02/15/2000	
	A38	6,026,020		Matsubara et al.	02/15/2000	
	A39	6,021,408		Ledain et al.	02/01/2000	
	A40	6,011,323		Camp	01/04/2000	
	A41	6,011,322		Hiraka	01/04/2000	
	A42	5,991,849		Yamada et al.	11/23/1999	
RGB	A43	5,987,573		Hiraka	11/16/1999	

Best Available Copy

Substitute for form 1449A/PTO

SUPPLEMENTAL**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	09/620,544
Filing Date	07/21/2000
First Named Inventor	Petro Estakhri
Group Art Unit	2188
Examiner Name	Reginald G. Bragdon
Attorney Docket Number	38979-11C5(New Docket No.)

	2	of	6		
RGB	A44	5,987,563		Itch et al.	11/16/1999
	A45	5,986,933		Takeuchi et al.	11/16/1999
RGB	A46	5,966,727		Nishino et al.	10/12/1999
	A47	5,959,926		Jones et al.	09/28/1999
	A48	5,956,473		Ma et al.	09/21/1999
	A49	5,953,737		Estakhri et al.	09/14/1999
	A50	5,937,425		Ban	08/10/1999
	A51	5,936,971		Harari et al.	08/10/1999
	A52	5,933,846		Endo	08/03/1999
	A53	5,933,368		Ma et al.	08/03/1999
	A54	5,930,815		Estakhri et al.	07/27/1999
	A55	5,928,370		Asnaashari	07/27/1999
	A56	5,920,884		Jennings, III et al.	07/06/1999
	A57	5,909,586		Anderson	06/01/1999
	A58	5,907,856		Estakhri et al.	05/25/1999
RGB	A59	5,901,086		Wang et al.	05/04/1999
	A60	5,890,192		Lee et al.	03/30/1999
RGB	A61	5,862,099		Gannage et al.	01/19/1999
	A62	5,860,124		Matthews et al.	01/12/1999
	A63	5,860,083		Sukeawa	01/12/1999
	A64	5,847,552		Brown	12/08/1998
	A65	5,845,313		Estakhri et al.	12/01/1998
	A66	5,835,935		Estakhri et al.	11/10/1998
	A67	5,831,929		Manning	11/03/1998
	A68	5,822,781		Wells et al.	10/13/1998
	A69	5,822,252		Lee et al.	10/13/1998
	A70	5,822,245		Gupta et al.	01/13/1998
	A71	5,818,781		Estakhri et al.	10/06/1998
	A72	5,809,560		Schneider	09/15/1998
	A73	5,809,558		Matthews et al.	09/15/1998
	A74	5,809,515		Kaki et al.	09/15/1998
	A75	5,802,551		Komatsu et al.	09/01/1998
	A76	5,799,168		Ban	08/25/1998
	A77	5,787,484		Norman	07/28/1998
	A78	5,787,445		Daberko	07/28/1998
	A79	5,781,478		Takeuchi et al.	07/14/1998
	A80	5,773,901		Kanter	06/30/1998
	A81	5,768,195		Nakamura et al.	06/16/1998
	A82	5,768,190		Tanaka et al.	06/16/1998
	A83	5,761,117		Uchino et al.	06/02/1998
	A84	5,758,100		Odisho	05/26/1998
	A85	5,757,712		Nagel et al.	05/26/1998
	A86	5,754,567		Norman	05/19/1998
	A87	5,745,418		Ma et al.	04/28/1998
	A88	5,734,567		Griffiths et al.	03/31/1998
RGB	A89	5,723,990		Roohparvar	03/03/1998

Substitute for form 1449/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

3

of

6

Complete if Known

Application
Number

09/620,544

Filing Date

07/21/2000

First Named
Inventor

Petro Estakhri

Group Art Unit

2188

Examiner Name

Reginald G. Bragdon

Attorney Docket
Number

38979-11C5(New Docket No.)

RGB

A90

5,648,929

Miyamoto

07/15/1997

A91

5,611,067

Okamoto et al.

03/11/1997

A92

5,603,001

Sukegawa et al.

02/11/1997

A93

5,602,987

Harari et al.

02/11/1997

A94

5,598,370

Niisima et al.

01/28/1997

A95

5,592,415

Kato et al.

01/07/1997

A96

5,581,723

Hasbun et al.

12/03/1996

A97

5,579,502

Konishi et al.

11/26/1996

A98

5,572,466

Sukegawa

11/05/1996

A99

5,552,698

Tai et al.

09/03/1996

A100

5,544,356

Robinson

08/06/1996

A101

5,541,551

Brehner et al.

07/30/1996

A102

5,530,938

Akasaka et al.

06/25/1996

A103

5,530,828

Kaki et al.

06/25/1996

A104

5,530,673

Tobita et al.

06/25/1996

A105

5,524,230

Sakaue et al.

06/04/1996

A106

5,523,980

Sakui et al.

06/04/1996

A107

5,519,847

Fandrich et al.

05/21/1996

A108

5,515,333

Fujita et al.

05/07/1996

A109

5,513,138

Manabe et al.

04/30/1996

A110

5,490,117

Oda et al.

02/06/1996

A111

5,479,638

Assar et al.

12/26/1995

A112

5,473,765

Gibbons et al.

12/05/1995

A113

5,465,338

Clay

11/07/1995

A114

5,465,235

Miyamoto

11/07/1995

A115

5,431,330

Wieres

07/11/1995

A116

5,430,682

Ishikawa et al.

07/04/1995

A117

5,422,856

Sasaki et al.

06/06/1995

A118

5,418,752

Harari et al.

05/23/1995

A119

5,406,527

Honma

04/11/1995

A120

5,404,485

Ban

04/04/1995

A121

5,388,083

Assar et al.

02/07/1995

A122

5,384,743

Rouy

01/24/1995

A123

5,382,839

Shinohara

01/17/1995

A124

5,381,539

Yanai et al.

01/10/1995

A125

5,371,702

Nakai et al.

12/06/1994

A126

5,365,127

Manley

11/15/1994

A126B

5,359,569

Fujita et al.

10/25/1994

A127

5,341,341

Fukazo

08/23/1994

A128

5,341,339

Wells

08/23/1994

A129

5,341,330

Wells et al.

08/23/1994

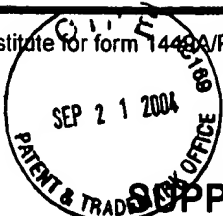
RGB

A130

5,329,491

Brown et al.

07/12/1994



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	4	of	6	Application Number	09/620,544
				Filing Date	07/21/2000
				First Named Inventor	Petro Estakhri
				Group Art Unit	2188
				Examiner Name	Reginald G. Bragdon
				Attorney Docket Number	38979-11C5(New Docket No.)
RCS	A131	5,315,558		Hag	05/24/1994
	A132	5,305,278		Inoue	04/19/1994
	A133	5,305,276		Uenoyama	04/19/1994
	A134	5,303,198		Adachi et al.	04/12/1994
	A135	5,267,218		Elbert	11/30/1993
	A136	5,253,351		Yamamoto et al.	10/12/1993
	A137	5,227,714		Lou	07/13/1993
	A138	5,220,518		Haq	06/15/1993
	A139	5,218,695		Noveck et al.	06/08/1993
	A140	5,093,785		Iijima	03/03/1992
	A140A	4,970,727		Miyawaki et al.	11/13/1990
	A140B	4,970,642		Yamamura	11/13/1990
	A141	4,943,745		Watanabe et al.	07/24/1990
	A142	4,843,224		Ohta et al.	06/27/1989
	A143	4,829,169		Watanabe	05/09/1989
	A144	4,797,543		Watanabe	01/10/1989
	A145	4,788,665		Fukuda et al.	11/29/1988
	A146	4,780,855		Iida et al.	10/25/1988
	A147	4,609,833		Guterman	09/02/1986
	A148	4,532,590		Wallach et al.	07/30/1985
	A149	4,476,526		Dodd	10/09/1984
	A150	4,473,878		Zolnowsky et al.	09/25/1984
	A151	4,468,730		Dodd et al.	08/28/1984
	A152	4,414,627		Nakamura	11/08/1983
	A153	4,398,248		Hsia et al.	08/09/1983
	A154	4,309,627		Tabata	01/05/1982
	A155	4,130,900		Watanabe	12/19/1978
	A156	4,099,069		Cricchi et al.	07/04/1978
RCS	A157	35,881 Re.		Barrett et al.	08/25/1998 (Reissued)

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Count y Code	Kind Code* (If known)				
	B1		0 663 636	A1	Sun Microsystems, Inc.	07/19/1995	
	B2		0 619 541	A2	Hitachi, Ltd., Hitachi Keiyo Engineering Co., Ltd., Hitachi ULSI Engineering Corp.	10/12/1994	
	B3		0 617 363	A2	Sundisk Corporation	09/28/1994	
	B4		0 613 151	A2	Kabushiki Kaisha Toshiba	08/31/1994	
	B5		0 522 780	A2	International Business Machines Corporation	01/13/1993	
	B6		0 522 780	B1	International Business Machines Corporation	01/13/1993	
	B7		0 392 895	A2	Sundisk Corporation	10/17/1990	

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

SEP 21 2004

(use as many sheets as necessary)

Sheet 5 of 6

Complete if Known

Application Number	09/620,544
Filing Date	07/21/2000
First Named Inventor	Petro Estakhri
Group Art Unit	2188
Examiner Name	Reginald G. Bragdon
Attorney Docket Number	38979-11C5(New Docket No.)

B8	2 304 428		Mitsubishi Denki Kabushiki Kaisha	03/19/1997	
B9	2 291 990		Memory Corporation	02/07/1996	
B10	2 251 323		Intel Corporation	07/01/1992	
B11	9-147581		Hitachi Co., Ltd., Hitachi VLSI Engineering Corp.	06/06/1997	
B12	8-69696		Toshiba Corp.	03/12/1996	
B13	8-18018		Toshiba Corp.	01/19/1996	
B14	7-93499		Hitachi Co., Ltd., Hitachi VLSI Engineering Corp., Hitachi Tobu Semiconductor Co., Ltd.	04/07/1995	
B15	7-311708		Fuji Film Micro Device K.K., Fuji Photo Film Co., Ltd.	11/28/1995	
B16	7-114499			05/02/1995	
B17	6-36578		Sony Kabushiki Kaisha	02/10/1994	
B18	6-266596		Hitachi Ltd.	09/22/1994	
B19	6-149395		NEC	05/27/1994	
B20	6-132747		Fujitsu Ltd., Fujitsu VLSI Ltd.	05/13/1994	
B21	6-131889		Toshiba Corporation	05/13/1994	
B22	6-124231		Toshiba Corporation	05/06/1994	
B23	6-124175		Sharp Corp.	05/06/1994	
B24	5-282883		Toshiba Corp.	10/29/1993	
B25	5-128877		Mitsubishi Electric Corp.	05/25/1993	
B26	4-57295		NEC Corporation	02/25/1992	
B27	4-278297		Toshiba Corp.	10/02/1992	
B28	4-268284		Fuji Photo Film Co., Ltd	09/24/1992	
B29	4-254994		Toshiba Corp.	09/10/1992	
B30	RM-37697			02/21/1996	
B31	3-228377		Toshiba Corp.	10/09/1981	
B32	1-138694		Nippon Denki Kabushiki Kaisha	05/31/1989	
B33	WO 94/20906		M-Systems Ltd.	09/15/1994	
B34	SU 1686449	A2	N.G. Parkhomenko, S.B. Kozelkov, V.Yu Lozbenov and S.S. Karpenko	10/23/1991	
B35	SU 1573458	A2	N.G. Parkhomenko, V. Yu. Lozbenov, V.G. Chernyaev and S.B. Kozelkov	06/23/1990	
B36	SU 1541619	A1	K.G. Semenov, N.M. Sidorov, A.I. Zhdanov, G.V. Kukhar and V.I. Potapenko	02/07/1990	
B37	SU 1515164	A1	I.V. Dementiev and A.S. Papkov	10/15/1989	
B38	SU 1408439	A1	V.V. Merkul, I.Yu. Manukin and M.N. Gurevich	07/07/1988	
B39	SU 1388877	A1	N.G. Parkhomenko, V. Yu. Lozbenov and A.P. Kuprovskij	04/15/1988	

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

SEP 21 2004
(Use as many sheets as necessary)

Sheet 6 of 6

Complete if Known

Application Number 09/620,544
Filing Date 07/21/2000
First Named Inventor Petro Estakhri
Group Art Unit 2188
Examiner Name Reginald G. Bragdon
Attorney Docket Number 38979-11C5 (New Docket No.)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
C1		MENDEL ROSENBLUM and JOHN K. OUSTERHOUT, The Design and Implementation of a Log-Structured File System, article, 1991, 15 pgs., Berkeley, USA	
C2		BRIAN DIPERT and MARKUS LEVY, Designing with Flash Memory, book, April 1994, 445 pgs., Annabooks, San Diego, USA	
C4		ROSS S. FINLAYSON and DAVID R. CHERITON, An Extended File Service Exploiting Write-Once Storage, article, 1987, 10 pgs. ACM	
C5		JASON GAIT, The Optical File Cabinet: A Random-Access File System for Write-Once Optical Disks, article, June 1988, 12 pgs., Beaverton, Oregon	
C6		HENRY G. BAKER, Memory Management, book, 1995, 19 pgs., Springer-Verlag Berlin Heidelberg, Germany	
C7		SAPE J. MULLENDER and ANDREW S. TANENBAUM, A Distributed File Service Based on Optimistic Concurrency Control, article, 1985, 12 pgs., ACM	
C8		HIROSHI NAKAMURA, JUNICHI MIYAMOTO, KENICHI IMAMIYA and YOSHIHISA IWATA, A Novel Sense Amplifier for Flexible Voltage Operation NAND Flash Memories, symposium, 1995, VLSI Circuits Digest of Technical Papers, 2 pgs.	
C9		HIROSHI NAKAMURA, JUNICHI MIYAMOTO, KENICHI IMAMIYA, YOSHIHISA IWATA, YOSHIHISA SUGIURA and HIDEKO OODAIRA, A Novel Sensing Scheme with On-Chip Page Copy for Flexible Voltage NAND Flash Memories, article, June 1996, 9 pgs., Vol. E79-C, No. 6	
C10		TAKAOKI NOZAKI, TOSHIKI TANAKA, YOSHIRO KIKUYA, EITA KINOSHITA, TATSUO TSUCHIYA and YUTAKA HAYASHI, A 1-Mb EEPROM with MONOS Memory Cell for Semiconductor Disk Application, article, 1991, 5 pgs., Journal Of Solid-State Circuits, Vol. 26, No. 4.	
C11		KAI HWANG and FAYE A. BRIGGS, Computer Architecture and Parallel Processing, book, 1984, McGraw-Hill, Inc., 2 pgs., US	
C12		WALTER LAHTI and DEAN MCCARRON, State of the Art Magnetic VS. Optical Store Data in a Flash, article, 1990, 7 pgs., Vol. 15, No. 12, McGraw-Hill, Inc., US	
C13		RON WILSON, INTEGRATED CIRCUITS: 1-Mbit flash memories seek their role in system design, article, March 1, 1989, 2 pgs., No. 6, Tulsa, OK	
C14		S. MEHROURA, J.H. YUAN, R.A. CEMEA, W.Y. CHIEN, D.C. GUTSMAN, G. SAMACHISA, R.D. NOMAN, M. MOFIDI, W.LEE, Y. FONG, A. MIHNEA, E. HANN, R.W. GREGOR, E.P. EBERHARDT, J.R. RADOSEVICH, K.R. STILES, R.A. KOHLER, C.W. LEUNG, and T.J. MULROONEY, Serial 9Mb F EEPROM for Solid State Disk Applications, symposium, 1992, 2 pgs., Mountain View, CA	
C15		STEVEN H. LEIBSON, Nonvolatile, in-circuit-reprogrammable memories, article, January 3, 1991, 12 pgs., EDN, Circle No.12	
C16		RAMON CACERES, FRED DOUGLIS, KAI LI and BRIAN MARSH, Operating System Implications of Solid-State Mobile Computers, article, 7 pgs., October 1993, Workshop on Workstation Operating Systems	
C17		MICHAEL WU and WILY ZWAENEPOEL, A Non-Volatile, Main Memory Storage System, 12 pgs., 1994, ACM, San Jose, CA USA	
C18		DAVE BURSKEY, Innovative flash memories match DRAM densities: available with a choice of features, flash memories are finding homes in many systems (includes related articles on the origins of flash, and on the differences between NAND and NOR flash memories), article, May 16, 1994, 9 pgs., Electronic Design, v.42, n.10, The Gale Group	
C19		ANTHONY CATALDO, New flash enhancements up ante. (Intel's 28F400BV-120 and 28F004BV-120, Almel's AT29BV010 and AT29BV020, and Samsung Semiconductor's KM29V32000 "flash" memory) devices (Product Announcement), article, March 13, 1995, 4 pgs., Electronic News, v.41, n.2056, The Gale Group	
C20		SAM WEBER, "Flash" modules' portability, reusability, small size valued for a host of APPs-Consumer formats flocking to "flash", article, 7/22/96, 9 pgs., Electronic Engineering Times, n.911, CMP Media	
C21		TOSHIBA, MOS MEMORY (NON-VOLATILE), 1995, Data Book	
C22		STAN BAKER, BUT INTEGRATION CALLS FOR HARDWARE, SOFTWARE CHANGES: Flash: designers face the dawn of a new memory age, article, 9/12/03, 5 pgs., Electronic Engineering Times, 1990, N.619, 41, CMP Media	
C23		TOSHIBA, TOSHIBA MOS DIGITAL INTEGRATED CIRCUIT SILICON GATE CMOS, (TC58NS12DC) 3/21/2001, 43 pgs., Data Book	
C24		TOSHIBA CORPORATION, SMIL (Smartmedia Interface Library) Hardware Edition Version 1.00, July 1, 2000, 36 pgs., Data Book	
C25		TOSHIBA, TOSHIBA MOS DIGITAL INTEGRATED CIRCUIT SILICON GATE, (TC58S12FT), 3/05/2001, 43 pgs., Data Book	
C26		TOSHIBA, TOSHIBA MOS DIGITAL INTEGRATED CIRCUIT SILICON GATE, (TC58DVM92A1FT00), 1/10/2003, 44 pgs., Data Book	
C27		TOSHIBA, TOSHIBA MOS DIGITAL INTEGRATED CIRCUIT SILICON GATE, (TC58DVG02A1FT00), 1/10/2003, 44 pgs., Data Book	
C28		TOSHIBA, TOSHIBA MOS DIGITAL INTEGRATED CIRCUIT SILICON GATE, (TH58100FT), 3/05/2001, 43 pgs., Data Book	
C29		35NONVOLATILE MEMORY TECHNOLOGY REVIEW, A Time of Change, Proceedings 1993 Conference, June 22-24, 1993, Linthicum Heights, MD USA	
C30		TOSHIBA CORPORATION, SMIL (Smartmedia Interface Library) Software Edition Version 1.00, July 1, 2000, 136 pgs., Data Book	
C31		TOSHIBA, MOS MEMORY (NON-VOLATILE), 1996, 279 pgs., Data Book	
C32		DAN AUCLAIR, Optimal Solid State Disk Architecture For Portable Computers, symposium, July 9, 1991, 7 pgs., SunDisk Corporation	

Previously Considered

Examiner Signature Reginald G. Bragdon Date Considered 11-8-2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

PTO/SB/08A (10-96)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

SEP 21 2004
CLOSURE
FBI & ICE
FBI OFFICE

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature	Reginald D. Bragdon
--------------------	---------------------

Date Considered	11-08-2004
-----------------	------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Under the Paperwork Reduction Act of 1995, r.

Persons are required to respond to a collection of information

PTO/SB/08A (10-96)
 and for use through 10/31/99. OMB 0651-0031
 Office; U.S. DEPARTMENT OF COMMERCE
 unless it displays a valid OMB control number.

(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	09/620,544
Filing Date	07/21/2000
First Named Inventor	Estakhri et al.
Group Art Unit	2186
Examiner Name	Bragdon, R.
Attorney Docket Number	38979-11CPA2

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of patent by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Herewith enclosed

SEP 21 2004
OIPF
INFORMATION DISCLOSURE
CITATION

PTO-1449

ATTY. DOCKET NO.
LEXAR-11C1

APPLICATION NO.
09/264,340

APPLICANT
Estakhri et al.

FILING DATE
3/8/99

GROUP
2751

SHEET 1 OF 5

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A1	4,210,959	7/1/80	Wozniak	364	200	
	A2	4,355,376	10/19/82	Gould	365	230	
	A3	4,405,952	9/20/83	Slakmon	360	49	
	A4	4,450,559	5/22/84	Bond et al.	371	10	
	A5	4,456,971	6/26/84	Fukuda et al.	364	900	
	A6	4,498,146	2/5/85	Martinez	364	900	
	A7	4,525,839	6/25/85	Nozawa et al.	371	38	
	A8	4,616,311	10/7/86	Sato	364	200	
	A9	4,654,847	3/31/87	Dutton	371	10	
	A10	4,710,871	12/1/87	Belknap et al.	364	200	
	A11	4,746,998	5/24/88	Robinson et al.	360	72.1	
	A12	4,748,320	5/31/88	Yorimoto et al.	235	492	
	A13	4,757,474	7/12/88	Fukushi et al.	365	189	
	A14	4,774,700	9/27/88	Satoh et al.	369	54	
	A15	4,800,520	1/24/89	Iijima	364	900	
	A16	4,896,262	1/23/90	Wayama et al.	364	200	
	A17	4,914,529	4/3/90	Bonke	360	48	
	A18	4,920,518	4/24/90	Nakamura et al.	365	228	
	A19	4,924,331	5/8/90	Robinson et al.	360	72.1	
	A20	4,953,122	8/28/90	Williams	364	900	
	A21	5,070,474	12/3/91	Tuma et al.	395	500	
	A22	5,168,465	12/1/92	Harari	257	320	
	A23	5,198,380	3/30/93	Harari	437	43	
	A24	5,200,959	4/6/93	Gross et al.	371	21.6	
	A25	5,226,168	7/6/93	Kobayashi et al.	395	800	

Previously Considered

O I P E
SEP 21 2004
INFORMATION DISCLOSURE
CITATION
PTO-1449

SHEET 2 OF 5

ATTY. DOCKET NO.
LEXAR-11C1

APPLICATION NO.
09/264,340

APPLICANT
Estakhri et al.

FILING DATE
3/8/99

GROUP
2751

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A26	5,268,318	12/7/93	Harari	437	43	
	A27	5,268,870	12/7/93	Harari	365	218	
	A28	5,270,979	12/14/93	Harari et al.	365	218	
	A29	5,270,979	12/14/93	Harari et al.	365	218	
	A30	5,293,560	3/8/94	Harari	365	185	
	A31	5,297,148	3/22/94	Harari et al.	371	10.2	
	A32	5,303,198	4/12/94	Adachi et al.	365	218	
	A33	5,315,541	5/24/94	Harari et al.	365	63	
	A34	5,337,275	8/9/94	Garner	365	189.01	
	A35	5,341,330	8/23/94	Wells et al.	365	185	
	A36	5,341,339	8/23/94	Wells	365	218	
	A37	5,353,256	10/4/94	Fandrich et al.	365	230.03	
	A38	5,357,475	10/18/94	Hasbun et al.	365	218	
	A39	5,369,615	11/29/94	Harari et al.	365	218	
	A40	5,388,083	2/7/95	Assar et al.	365	218	
	A41	5,396,468	3/7/95	Harari et al.	365	218	
	A42	5,418,752	5/23/95	Harari et al.	365	218	
	A43	5,422,842	6/6/95	Cernea et al.	365	185	
	A44	5,428,621	6/27/95	Mehrotra et al.	371	21.4	
	A45	5,430,859	7/4/95	Norman et al.	395	425	
	A46	5,430,859	7/4/95	Norman et al.	395	425	
	A47	5,434,825	7/18/95	Harari	365	185	
	A48	5,438,573	8/1/95	Mangan et al.	371	10.3	
	A49	5,471,478	11/28/95	Mangan et al.	371	10.3	
	A50	5,479,638	12/26/95	Assar et al.	395	430	

Previously considered

SEP 21 2004
INFORMATION DISCLOSURE
CITATION

PTO-1449

ATTY. DOCKET NO.
LEXAR-11C1APPLICATION NO.
09/264,340APPLICANT
Estakhri et al.FILING DATE
3/8/99GROUP
2751**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A51	5,485,595	1/16/96	Assar et al.	395	430	
A52	5,495,442	2/27/96	Cerneat et al.	365	185.03	
A53	5,504,760	4/2/96	Harari et al.	371	40.1	
A54	5,508,971	4/16/96	Cerneat et al.	365	185.23	
A55	5,524,230	6/4/96	Sakaue et al.	395	430	
A56	5,532,962	7/2/96	Auclair et al.	365	201	
A57	5,532,964	7/2/96	Cerneat et al.	365	189.09	
A58	5,534,456	7/9/96	Yuan et al.	437	43	
A59	5,535,328	7/9/96	Harari et al.	395	182.05	
A60	5,544,118	8/6/96	Harari	365	218	
A61	5,544,356	8/6/96	Robinson et al.	395	600	
A62	5,554,553	9/10/96	Harari	437	43	
A63	5,563,825	10/8/96	Cerneat et al.	365	185.18	
A64	5,566,314	10/15/96	DeMarco et al.	395	430	
A65	5,568,439	10/22/96	Harari	365	218	
A66	5,583,812	12/10/96	Harari	365	185.33	
A67	5,592,420	1/7/97	Cerneat et al.	365	185.18	
A68	5,642,312	6/24/97	Harari	365	185.33	
A69	5,663,901	9/2/97	Wallace et al.	365	52	
A70	5,693,570	12/2/97	Cerneat et al.	437	205	
A71	5,712,819	1/27/98	Harari	365	185.29	
A72	5,719,808	2/17/98	Harari et al.	365	185.33	
A73	5,778,418	7/7/98	Auclair et al.	711	101	

Previously included

SEP 21 2004
O I P E
PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE
NOTIFICATION

PTO-1449

ATTY. DOCKET NO.
LEXAR-11C1APPLICATION NO.
09/264,340APPLICANT
Estakhri et al.FILING DATE
3/8/99GROUP
2751

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS	Translation	
								Yes	No
B1		4-332999 (A)	19.11.1992	JP	Masakazu Namekawa	G11C	29/00	X	
B2		58-215794 (A)	15.12.1983	JP	Noriyuki Tanaka	G11C	17/00	X	
B3		58-215795 (A)	15.12.1983	JP	Noriyuki Tanaka	G11C	17/00	X	
B4		59-45695 (A)	7.9.1982	JP	Yuuichi Furukawa	G11C	17/00	X	
B5		59-162695 (A)	13.9.1984	JP	Toshio Ninomiya(1)	G11C	17/00	X	
B6		60-212900	25.10.1985	JP	Tsuneaki Higashi	G11C	29/00	X	
B7		61-96598 (A)	15.5.1986	JP	Yutaka Haniyu	G11C	17/00	X	
B8		62-283496 (A)	09.12.1987	JP	Shinichi Nakada	G11	17/00	X	
B9		62-283497 (A)	09.12.1987	JP	Shinichi Nakada	G 11 C	17/00	X	
B10		63-183700 (A)	29.7.1988	JP	Kazuo Ishikawa	G 11 C	17/00	X	
B11		0 557 723	08.1.1987	AU	Kevin John Burke	G 11 C	5/00	X	
B12		0 220 718 A2	06.5.1987	EP	Yorimoto et al.	G 06 F	15/40	X	
B13		0 243 503 A1	04.11.1987	EP	Fukushima et al.	G 11 B	20/10	X	
B14		0 424 191 A2	24.04.1991	EP	Stephen Gross	G 06 F	11/00	X	
B15		0 489 204 A1	10.06.1992	EP	Kevin Lloyd-Jones	G 11 C	16/06	X	
B16		0 522 780 A2	13.01.1993	EP	Sakaue et al.	G 06 F	3/06	X	
B17		0 544 252 A2	02.06.1993	EP	Matsui et al.	G 11 C	16/06	X	
B18		0 686 976 A2	13.12.1995	EP	Matsui et al.	G 11 C	16/06	X	
B19		93 01908	27.08.1993	FR	Hiroyuki et al.	G 06 F	12/02	X	
B20		84/00628	16.02.1984	WO	Maria Martinez	G 06 F	11/20, 13/00	X	

forwarded
in sublevel

INFORMATION DISCLOSURE

CITATION

SEP 21 2004 PTO-1449

ATTY. DOCKET NO.
LEXAR-11C1APPLICATION NO.
09/264,340APPLICANT
Estakhri et al.FILING DATE
3/8/99GROUP
2751

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1 Book - Computer Architecture and Parallel Processing, Kai Hwang & Faye A. Briggs, McGraw-Hill Book Co., © 1984, Page 64.

C2 Magazine - "State of the Art: Magnetic VS. Optical Store Data in a Flash", by Walter Lahti and Dean McCarron, Byte magazine dated 11/1/90, 311, Vol. 15, No. 12.

C3 Magazine - Technology Updates, Integrated Circuits, "1-Mbit flash memories seek their role in system design", Ron Wilson, Senior Editor, Computer Design magazine 28 (1989) March 1, No. 5, Tulsa OK, US, pages 30 and 32.

C4 1982 Symposium of VLSI Circuits Digest of Technical Papers, "EEPROM for Solid State Disk Applications", S. Mehroua et al., SunDisk Corporation, Santa Clara, CA. R. W. Gregor et al., AT&T Bell Laboratories, Allentown, PA. Pages 24 and 25.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Personal Considered

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.